stand-alone media converter

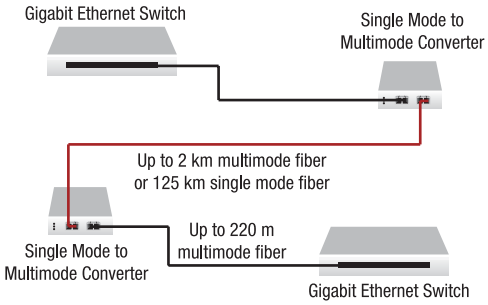
Gigabit Ethernet/Fibre Channel Optical Mode Conversion
1000BASE-SX to 1000BASE-LX

SFMFF1xxx-22x

Gigabit Ethernet/Fibre Channel Optical Mode Converter

Features

- Auto-Negotiation (1000Base-X ports)
- Link Pass Through
- Far-End-Fault (100Base-FX ports)
- Pause
- Link Pass Through
- Automatic Link Restoration
- Protocol Transparency
- Convert 1000BASE-SX ports on a Gigabit Ethernet switch to 1000BASE-LX on a port-by-port basis.
- Ideal for campus area networks or other applications requiring the distance advantages of single mode fiber.


Gigabit Ethernet Switch
Single Mode to Multimode Converter
Up to 2 km multimode fiber or 125 km single mode fiber
Up to 220 m multimode fiber
Single Mode to Multimode Converter
Gigabit Ethernet Switch

Used individually or in pairs, this mode converter can extend 1000Mbps Gigabit Ethernet or Fibre Channel signals over single mode fiber **up to 125 km**.

Ordering Info

SFMFF1313-220
1000BASE-SX 850nm multimode (SC)
[62.5/125µm fiber: 220 m / 722 ft.]
[50/125µm fiber: 550 m / 1804 ft.]
Link Budget 7.5 dB
to 1000BASE-SX 850nm multimode (SC)
[62.5/125µm fiber: 220 m / 722 ft.]
[50/125µm fiber: 550 m / 1804 ft.]
Link Budget 7.5 dB

SFMFF1324-220
1000BASE-SX 850nm multimode (SC)
[62.5/125µm fiber: 220 m / 722 ft.]
[50/125µm fiber: 550 m / 1804 ft.]
Link Budget 7.0 dB
to 1000BASE-LX 1310nm Extended MM (62.5/125µm fiber only) (SC)
[up to 2 km] Link Budget: 7.0 dB

SFMFF1424-220
1000BASE-LX 1310nm SM (SC)
[10 km/6.2 mi.] Link Budget: 7.0 dB
to 1000BASE-LX 1310nm Extended MM (62.5/125µm fiber only) (SC)
[up to 2 km] Link Budget: 7.0 dB

SFMFF1314-220
1000BASE-SX 850nm multimode (SC)
[62.5/125µm fiber: 220 m / 722 ft.]
[50/125µm fiber: 550 m / 1804 ft.]
Link Budget: 7.0 dB
to 1000BASE-LX 1310nm SM (SC)
[10 km/6.2 mi.] Link Budget: 7.0 dB

SFMFF1414-220
1000BASE-LX 1310nm SM (SC)
[10 km/6.2 mi.] Link Budget: 7.0 dB
to 1000BASE-LX 1310nm SM (SC)
[10 km/6.2 mi.] Link Budget: 7.0 dB

SFMFF1315-220
1000BASE-SX 850nm multimode (SC)
[62.5/125µm fiber: 220 m / 722 ft.]
[50/125µm fiber: 550 m / 1804 ft.]
Link Budget: 7.0 dB
to 1000BASE-LX 1310nm SM (SC)
[25 km/15.5 mi.] Link Budget: 15.0 dB

SFMFF1317-220
1000BASE-SX 850nm multimode (SC)
[62.5/125µm fiber: 220 m / 722 ft.]
[50/125µm fiber: 550 m / 1804 ft.]
Link Budget: 7.0 dB
to 1000BASE-LX 1550nm SM (SC)
[65 km/40.4 mi.] Link Budget: 20.0 dB-
SFMFF1335-220
1000BASE-SX 850nm multimode (SC)
[62.5/125µm fiber: 220 m / 722 ft.]
[50/125µm fiber: 550 m / 1804 ft.]
Link Budget: 7.0 dB
to 1000BASE-LX 1550nm SM (SC)
[125 km/77.7 mi.] Link Budget: 27.0 dB

Ordering Info

Single Fiber Products
Recommended use in pairs

SFMFF1329-220
1000BASE-SX 850nm multimode (SC)
[62.5/125µm fiber: 220 m / 722 ft.]
[50/125µm fiber: 550 m / 1804 ft.]
Link Budget: 7.0 dB
to 1000BASE-LX 1310nm TX / 1550nm RX single fiber single mode (SC)
[20 km/12.4 mi.] Link Budget: 13.0 dB

SFMFF1329-221
1000BASE-SX 850nm multimode (SC)
[62.5/125µm fiber: 220 m / 722 ft.]
[50/125µm fiber: 550 m / 1804 ft.]
Link Budget: 7.0 dB
to 1000BASE-LX 1550nm TX / 1310nm RX single fiber single mode (SC)
[20 km/12.4 mi.] Link Budget: 13.0 dB

SFMFF1329-222
1000BASE-SX 850nm multimode (SC)
[62.5/125µm fiber: 220 m / 722 ft.]
[50/125µm fiber: 550 m / 1804 ft.]
Link Budget: 7.0 dB
to 1000BASE-LX 1310nm TX / 1550nm RX single fiber single mode (SC)
[40 km/24.9 mi.] Link Budget: 20.0 dB

SFMFF1329-223
1000BASE-SX 850nm multimode (SC)
[62.5/125µm fiber: 220 m / 722 ft.]
[50/125µm fiber: 550 m / 1804 ft.]
Link Budget: 7.0 dB
to 1000BASE-LX 1550nm TX / 1310nm RX single fiber single mode (SC)
[40 km/24.9 mi.] Link Budget: 20.0 dB

SFMFF1429-220
1000BASE-LX 1310nm single mode (SC)
[10km/6.2mi.] **Link Budget: 10.5.0 dB**
to 1000BASE-LX 1310nm TX / 1550nm RX single fiber single mode (SC)
[20 km/12.4 mi.] Link Budget: 13.0 dB

SFMFF1429-221
1000BASE-LX 1310nm single mode (SC)
[10km/6.2mi.] **Link Budget: 10.5.0 dB**
to 1000BASE-LX 1550nm TX / 1310nm RX single fiber single mode (SC)
[20 km/12.4 mi.] Link Budget: 13.0 dB

*62.5/125µm fiber: 220 m / 722 ft.
50/125µm fiber: 550 m / 1804 ft.

Optional Accessories

(sold separately)

Wide Input (18 – 72VDC) Power Supplies:

SPS-1872-PS
Piggy Back Power Supply

SPS-1872-SA
Stand-Alone Power Supply

Mounting Options:

E-MCR-05
12-slot Media Converter Rack

RMS19-SA4-01
4-slot Media Converter Shelf

WMBD
DIN Rail Bracket 5.0" [127 mm]

WMBD-F
DIN Rail Bracket (flat) 3.3" [84 mm]

WMBL
Wall Mount Bracket 4.0" [102 mm]

WMBV
Vertical Wall Mount Bracket 5.0" [127 mm]

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